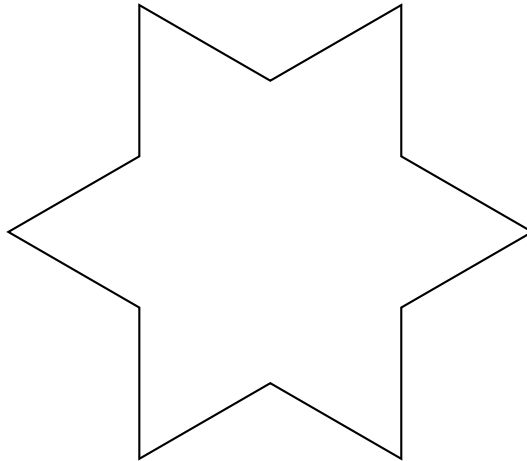


Name \_\_\_\_\_

Math 1  
Quiz 12

For all problems, show all work. You may use a graphing calculator. Good luck! ☺

For the first two problems, refer to the following picture:



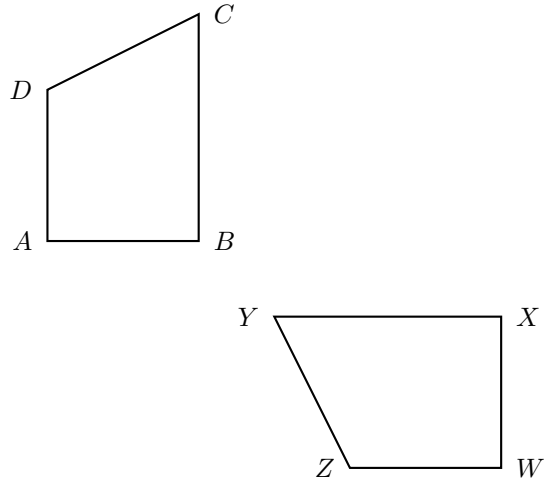
1. (6E) On the picture above, draw all of the lines of symmetry that the given shape has.
2. (6E) State two distinct angles of rotational symmetry that the given shape has. Your angles *must* be in the interval  $(0^\circ, 360^\circ)$ .

3. (6A) In the picture below, reflect the given letter P about each of the given line segments.



There are more problems on the back! ☺

4. (C3, 6B) Describe a sequence of transformations that would send polygon  $ABCD$  to polygon  $WXYZ$  in the picture below.



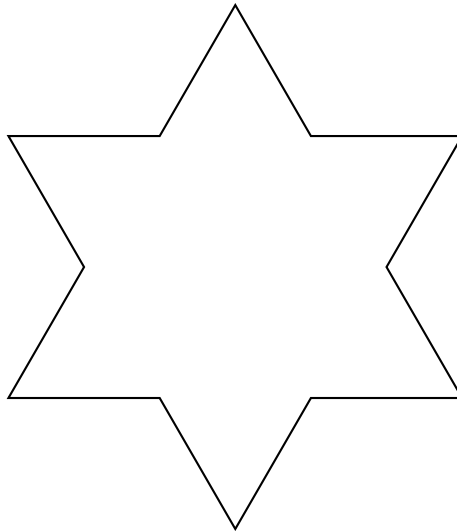
5. (6C) Determine the equation (in slope-intercept form) of the line that reflects the point  $(6, 3)$  onto the point  $(0, 5)$ .

Name \_\_\_\_\_

Math 1  
Quiz 12

For all problems, show all work. You may use a graphing calculator. Good luck! ☺

For the first two problems, refer to the following picture:



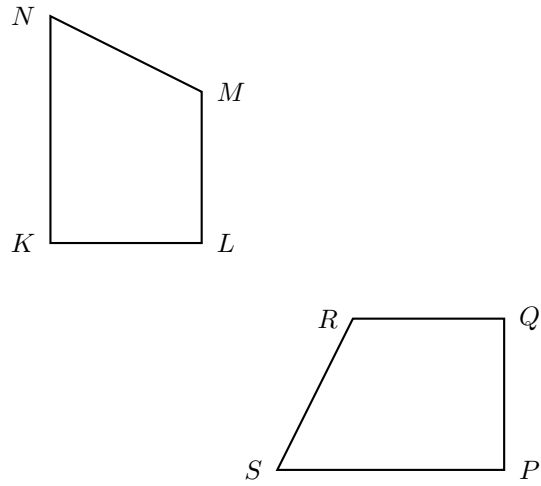
1. (6E) On the picture above, draw all of the lines of symmetry that the given shape has.
2. (6E) State two distinct angles of rotational symmetry that the given shape has. Your angles *must* be in the interval  $(0^\circ, 360^\circ)$ .

3. (6A) In the picture below, reflect the given letter J about each of the given line segments.



There are more problems on the back! ☺

4. (C3, 6B) Describe a sequence of transformations that would send polygon  $KLMN$  to polygon  $PQRS$  in the picture below.



5. (6C) Determine the equation (in slope-intercept form) of the line that reflects the point  $(3, 6)$  onto the point  $(4, 0)$ .